

**Listing of Claims:**

Claims 1-4 (Canceled).

5. (Previously Presented) A method of detecting fatigue crack in a base material, said method comprising:

(a) preparing a paste in which particles having a hardness not less than a hardness of the base material and an oil having viscosity are mixed with each other;

(b) applying said paste to a desired portion of said base material; and

(c) detecting fatigue crack based on a change in color generated by movement of base material powder to a surface of said paste, said base material powder being produced when said base material at a surface of the fatigue crack is ground in contact with said particles due to opening and closing of the fatigue crack in said base material.

6. (Previously Presented) A method of detecting fatigue crack according to claim 5, wherein said particles comprise light-colored ceramics including white ceramics.

7. (Previously Presented) A method of detecting fatigue crack according to claim 5, wherein preparing the paste comprises:

adjusting the oil to have a viscosity of 5,000 centipoises  
5 to 15,000 centipoises; and  
mixing said particles into the adjusted oil.

8. (Previously Presented) A method of detecting fatigue crack according to claim 6, wherein preparing the paste comprises:

adjusting the oil to have a viscosity of 5,000 centipoises  
5 to 15,000 centipoises; and  
mixing said particles into the adjusted oil.

9. (Currently Amended) A paste to be applied to a desired portion of a base material for at least one of restraining fatigue crack growth in said base material and detecting fatigue crack in said base material, said paste comprising:

5 particles having diameters of 2  $\mu\text{m}$  to 40  $\mu\text{m}$ , said particles comprising a material having Vickers hardness of not less than 200 Hv; and

an oil having a viscosity of 5,000 centipoises to 15,000 centipoises;

10            wherein said particles and said oil are mixed with each other.

10.    (Previously Presented) A paste according to claim 9, wherein said particles comprise light-colored ceramics including white ceramics.

11.    (New) A paste according to claim 9, wherein said oil comprises silicone grease.

12.    (New) A paste according to claim 10, wherein said oil comprises silicone grease.